

(Any)
WHAT IS CLAIMED IS:

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1. A cable routing system comprising:
a plurality of cable pathway-defining elements;
each one of said plurality terminating at at least
one attachment end;
a coupling for joining at least a first one of
said attachment ends to at least a second one of said
attachment ends, said coupling including aligning means for
aligning the first and second ones in a predetermined
alignment, said coupling further including clamp means for
automatically clamping an attachment end when in said
predetermined alignment.
- 15 2. A system according to claim 1 wherein each of said
elements includes walls for defining a cable pathway;
said coupling including wall means for defining a
coupling pathway;
said aligning means including means for aligning
20 said element pathways with said coupling pathway.
- 25 3. A system according to claim 2, wherein said
aligning means includes outer walls and inner walls spaced
from said outer walls by a distance sized to receive walls
of said elements, said inner and outer walls disposed for
said elements to be in said predetermined alignment when
said element walls are disposed between said outer and
inner walls of said coupling.
- 30 4. A system according to claim 2, wherein said clamp
means includes resiliently biased spring means for urging
an element wall against a wall of said coupling.

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5. A system according to claim 4, wherein said ^{spring} biasing means includes grip means for gripping a wall of said element within said coupling.

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A system according to claim 1, wherein said plurality includes a plurality of troughs and support means for supporting said troughs, said support means including a support plate having at least one longitudinally extending slot formed therein and opposing a trough, said longitudinally extending slot having groove means for defining a plurality of opposing grooves within said slot, with said opposing grooves sized to threadably receive a threaded attachment member.

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1. A system according to claim 6, wherein said support plate is extruded for said plurality of grooves to present a substantially identical profile along a length of said support member.

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7. A system according to claim 6, wherein said support plate is extruded for said plurality of grooves to present a substantially identical profile along a length of said support member.

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8. A system according to claim 1 comprising a horizontal-to-vertical transition fitting having walls defining a cable pathway extending from a vertical pathway portion to a horizontal pathway portion; said wall means including a slot formed within a side wall of said element for passing a fiber exterior of said element from said horizontal pathway to said vertical pathway.